Performance Data Sheet

AJA7455ZXD

General Information

Model	AJA7455ZXD	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	4580	3850	3130	2440	1780	1160	584
	Watts	600	685	710	688	628	543	445
	Amps	3.36	3.45	3.42	3.29	3.06	2.73	2.32
	Lb/h	91.0	79.4	67.6	55.6	43.1	30.2	16.5
-5	Btu/h	5230	4480	3740	3010	2310	1630	996
	Watts	638	735	773	765	721	654	575
	Amps	3.51	3.65	3.69	3.62	3.46	3.21	2.88
	Lb/h	104	92.5	81.1	69.0	56.3	42.6	28.0
0	Btu/h	5950	5170	4390	3620	2860	2130	1420
	Watts	675	782	832	837	808	758	697
	Amps	3.65	3.84	3.93	3.92	3.82	3.65	3.40
	Lb/h	117	107	95.5	83.3	70.1	55.7	40.0
5	Btu/h	6720	5910	5090	4270	3450	2650	1860
	Watts	711	827	887	904	890	855	811
	Amps	3.78	4.02	4.16	4.20	4.16	4.05	3.87
	Lb/h	132	122	111	98.6	84.9	69.6	52.8
10	Btu/h	7580	6720	5850	4970	4080	3200	2330
	Watts	747	871	940	969	967	946	919
	Amps	3.92	4.19	4.37	4.47	4.49	4.43	4.32
	Lb/h	149	139	128	115	101	84.5	66.4
15	Btu/h	8510	7610	6680	5730	4760	3800	2830
	Watts	784	914	992	1030	1040	1030	1020
	Amps	4.06	4.37	4.59	4.73	4.79	4.80	4.74
	Lb/h	167	158	146	133	118	101	81.1
20	Btu/h	9530	8570	7570	6550	5500	4440	3380
	Watts	822	957	1040	1090	1110	1110	1120
	Amps	4.23	4.56	4.81	4.99	5.10	5.15	5.15
	Lb/h	187	178	167	153	137	118	97.3
25	Btu/h	10600	9610	8540	7430	6300	5140	3960
	Watts	863	1000	1090	1150	1180	1190	1210
	Amps	4.42	4.78	5.05	5.26	5.41	5.50	5.55
	Lb/h	210	201	189	174	157	138	115

30	Btu/h	11800	10700	9600	8400	7160	5890	4600
	Watts	906	1050	1150	1210	1250	1270	1300
	Amps	4.64	5.02	5.32	5.55	5.73	5.86	5.95
	Lb/h	235	225	213	198	180	159	134

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.126079E+04	-3.609214E+03	-2.536415E+00	1.867664E+02
C2	1.335946E+02	4.105738E+00	-1.029851E-02	-2.097301E-01
C3	-4.749259E+01	1.056186E+02	1.381777E-01	-8.652059E-01
C4	2.583129E+00	1.586696E-01	7.784406E-04	4.468186E-02
C5	8.973131E-01	-9.294442E-02	4.584214E-05	6.399104E-02
C6	-3.356422E-01	-8.054854E-01	-8.623704E-04	1.595052E-03
C7	8.875625E-03	1.131854E-03	1.034152E-05	2.851352E-04
C8	-1.570753E-02	-2.234233E-03	-1.099700E-05	-2.188202E-04
C9	-8.808944E-03	1.657796E-03	5.225370E-06	-3.205896E-04
C10	1.234260E-03	1.934145E-03	1.272000E-06	-2.072047E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature